

National Functional Guidelines Report #03

Lab DATA(ALS Environmental) SDG F9K00 Case 45316 Contract EPW11037 Region 6 DDTID 216802 SOW SOM01.2

Data Review Reports

Blanks

Blanks	VOA_Low_Med
VLB11	The following volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated method blank common contaminant concentration is less than 2x the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96
	Methylene chloride F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96

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Data Review Reports

Blanks

Blanks	Pest
PLB16	The following pesticide samples have analyte concentrations reported less than the CRQL. The associated method blank concentration is less than the concentration criteria. Detected compounds are qualified U. Nondetected compounds are not qualified. Reported sample concentrations have been elevated to the CRQL.
	F9M83, F9M84, F9M86, F9M89, F9M90, F9M91, F9M91MS, F9M94, F9M95, F9M96, F9M97, PLCSS1
	delta-BHC F9M83, F9M84, F9M86, F9M89, F9M90, F9M91, F9M91MS, F9M94, F9M95, F9M96, F9M97, PLCSS1

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Continuing Calibration Verification

Continuing Calibration Verification	VOA_Low_Med
VC14	The following volatile samples are associated with a CCV with relative response factors (RRF50) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R. F9K00, F9M82, F9M83, F9M83RE, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M92RE, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, VBLKS1, VBLKS2, VHBLKS1
	1,4-Dioxane VSTD050S1, VSTD050S2, VSTD050S3, VSTD050S4
	F9K00, F9M82, F9M83, F9M83RE, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M92RE, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, VBLKS1, VBLKS2, VHBLKS1

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Continuing Calibration Verification

Continuing Calibration Verification	BNA
BC10	<p>The following semivolatile samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified UJ.</p> <p>F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, SBLK31</p> <p>2,4-Dinitrophenol SSTD020B1, SSTD020C1</p> <p>Hexachlorocyclopentadiene SSTD020B1, SSTD020C1, SSTD020L1, SSTD020M1</p> <p>Benzo(g,h,i)perylene SSTD020B1</p> <p>4,6-Dinitro-2-methylphenol SSTD020B1</p> <p>Di-n-octylphthalate SSTD020B1</p> <p>3-Nitroaniline SSTD020B1, SSTD020C1</p> <p>F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, SBLK31</p>
Continuing Calibration Verification	BNA
BC21	<p>The following semivolatile samples are associated with a continuing calibration in which a surrogate/DMC exceeded percent difference (%D) criteria. Detected and nondetected compounds are not qualified.</p> <p>F9K00, F9M82, F9M83, F9M84, F9M85, F9M89, F9M90, F9M94</p> <p>4,6-Dinitro-2-methylphenol-d2 SSTD020B1</p> <p>F9K00, F9M82, F9M83, F9M84, F9M85, F9M89, F9M90, F9M94</p>

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Continuing Calibration Verification

Continuing Calibration Verification	BNA_SIM
BC10	The following semivolatile samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified U. F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, SBLK31 Pentachlorophenol SSTD0.4P4 F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, SBLK31
Continuing Calibration Verification	BNA_SIM
BC14	The following semivolatile samples are associated with a CCV with relative response factors (RRF50) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R. F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, SBLK31 Pentachlorophenol SSTD0.4P4 F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, SBLK31

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DMC/Surrogate

DMC/Surrogate	VOA_Low_Med
VDSS3	The following volatile samples have DMC/SMC recoveries above the upper limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are not qualified.
	F9M82, F9M92, F9M92RE
	Benzene-d6 F9M92
	Benzene
	1,2-Dichloropropane-d6 F9M92, F9M92RE
	1,2-Dichloropropane, Bromodichloromethane, Cyclohexane, Methylcyclohexane
	1,4-Dioxane-d8 F9M82
	1,4-Dioxane
DMC/Surrogate	VOA_Low_Med
VDSS4	The following volatile samples have one or more DMC/SMC recovery values is less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	F9M92RE
	trans-1,3-Dichloropropene-d4 F9M92RE
	1,1,2-Trichloroethane, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene

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Data Review Reports

DMC/Surrogate

DMC/Surrogate	BNA
BDSS15	The following semivolatile samples have deuterated monitoring compound recovery below the lower limit of the criteria window. Detected compounds are qualified J. Nondetected compounds are qualified UJ.
	F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M91, F9M92, F9M93, F9M96, F9M97, F9M98
	4-Chloroaniline-d4 F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M91, F9M92, F9M93, F9M96, F9M97, F9M98
	3,3'-Dichlorobenzidine, 4-Chloroaniline, Hexachlorocyclopentadiene

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Detection Limit

Detection Limit	VOA_Low_Med
VDL1	The following volatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	F9K00, F9M82, F9M83, F9M83RE, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M92RE, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, VBLKS1, VBLKS2
	1,2-Dichlorobenzene VBLKS1, VBLKS2
	m,p-Xylene F9M83, F9M83RE, F9M88, F9M92, F9M92RE, F9M93, F9M96, F9M97, F9M98, F9M99
	Toluene F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M90, F9M91, F9M93, F9M95, F9M96, F9M98
	1,2,3-Trichlorobenzene VBLKS1, VBLKS2
	1,4-Dichlorobenzene VBLKS1, VBLKS2
	Acetone F9M83RE, F9M86, F9M89, F9M91, F9M92RE, F9M93, F9M94, F9M96, F9M97, F9M99
	Ethylbenzene F9M92, F9M97
	1,2,4-Trichlorobenzene VBLKS1, VBLKS2
	o-Xylene F9M92, F9M92RE
	1,3-Dichlorobenzene VBLKS1, VBLKS2
	Methylene chloride F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, VBLKS1, VBLKS2

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Detection Limit

Detection Limit	BNA
BDL1	The following semivolatile samples have analyte concentrations below the quantitaion limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	F9K00, F9M82, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M94, F9M95, F9M97, F9M99
	Di-n-butylphthalate F9M86
	Fluoranthene F9M84, F9M97
	Chrysene F9M84, F9M97
	Phenanthrene F9M97
	Benzo(b)fluoranthene F9M82, F9M84, F9M85, F9M94, F9M97
	Benzo(a)pyrene F9M97
	Pyrene F9M84, F9M97
	Bis(2-ethylhexyl)phthalate F9K00, F9M85, F9M87, F9M88, F9M89, F9M90, F9M94, F9M95, F9M99
	Benzo(a)anthracene F9M97

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Detection Limit

Detection Limit	BNA_SIM
BDL1	The following semivolatile samples have analyte concentrations below the quantitaion limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99
	Benzo(k)fluoranthene F9K00, F9M82, F9M83, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M93, F9M95, F9M96, F9M97, F9M98, F9M99
	Fluoranthene F9K00, F9M87, F9M88, F9M91, F9M93, F9M99
	Anthracene F9M82, F9M83, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98
	Benzo(g,h,i)perylene F9K00, F9M84, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M94, F9M96, F9M97
	Naphthalene F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M92, F9M93, F9M96
	Indeno(1,2,3-cd)pyrene F9K00, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M95, F9M97, F9M98, F9M99
	Acenaphthylene F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, F9M98
	Benzo(a)anthracene F9K00, F9M83, F9M87, F9M88, F9M89, F9M90, F9M91, F9M93, F9M96, F9M98, F9M99
	Chrysene F9K00, F9M88, F9M93, F9M99
	Phenanthrene F9K00, F9M82, F9M83, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M93, F9M94, F9M95, F9M98, F9M99
	Benzo(b)fluoranthene F9M99
	Benzo(a)pyrene F9K00, F9M87, F9M88, F9M89, F9M90, F9M91, F9M93, F9M96, F9M98, F9M99
	2-Methylnaphthalene F9M82, F9M84, F9M85, F9M86, F9M88, F9M89, F9M90, F9M91, F9M92, F9M95, F9M96, F9M97
	Pentachlorophenol F9M84, F9M97
	Dibenzo(a,h)anthracene F9M82, F9M83, F9M84, F9M85, F9M86, F9M92, F9M94, F9M95, F9M96, F9M97, F9M98

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Detection Limit

Detection Limit	Pest
PDL1	The following pesticide samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified. Nondetected compounds are not qualified.
	F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M91MS, F9M91MSD, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, PBLKS1, PLCSS1
	Endosulfan II F9M82, F9M85, F9M86, F9M87, F9M91MSD, F9M92, F9M93, F9M94, F9M95
	4,4'-DDT F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99
	gamma-BHC (Lindane) F9M83, F9M85, F9M86, F9M87, F9M92, F9M95, F9M96, F9M99, PLCSS1
	Dieldrin F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M95, F9M96, F9M97, F9M98, F9M99, PLCSS1
	Aldrin F9K00, F9M82, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M93, F9M94, F9M95, F9M98, F9M99
	delta-BHC F9M83, F9M84, F9M86, F9M89, F9M90, F9M91, F9M91MS, F9M94, F9M95, F9M96, F9M97, PBLKS1, PLCSS1
	Endrin aldehyde F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M91MS, F9M91MSD, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99
	beta-BHC F9M82, F9M83, F9M84, F9M86, F9M88, F9M89, F9M90, F9M91, F9M91MSD, F9M92
	alpha-Chlordane F9M86
	4,4'-DDE F9K00, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M91MS, F9M91MSD, F9M92, F9M93, F9M94, F9M96, F9M97, F9M98, PLCSS1
	Endosulfan sulfate F9M85, F9M87, F9M92, F9M93, F9M94, F9M95, F9M98, F9M99, PLCSS1
	gamma-Chlordane F9M85, F9M86, F9M87, F9M88, F9M93, F9M94, F9M95, F9M96, F9M97, PLCSS1
	4,4'-DDD F9M84, F9M86, F9M90, F9M91, F9M91MS, F9M96, F9M97
	Heptachlor F9M88
	Methoxychlor F9K00, F9M82, F9M83, F9M85, F9M87, F9M90, F9M91, F9M91MS, F9M91MSD, F9M93, F9M95, F9M96, F9M97, F9M99
	Endrin ketone F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M91MS, F9M91MSD, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99
	Endrin F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, PLCSS1
	Heptachlor epoxide F9M92, F9M95, PLCSS1
	alpha-BHC F9M82, F9M83, F9M84, F9M86, F9M87, F9M89, F9M90, F9M91, F9M91MS, F9M91MSD, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98
Detection Limit	Pest
PDL3	The percent difference between analyte results for the following pesticide samples is greater than 25%. Detected and nondetected compounds are not qualified.
	F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M91MS, F9M91MSD, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99
	Endosulfan II F9M82, F9M85, F9M86, F9M87, F9M91MSD, F9M92, F9M93, F9M94, F9M95
	4,4'-DDT F9K00, F9M84, F9M85, F9M86, F9M89, F9M90, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99

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Detection Limit

Detection Limit	Pest
	Aldrin F9K00, F9M82, F9M85, F9M86, F9M87, F9M89, F9M90, F9M91, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99
	Dieldrin F9K00, F9M82, F9M83, F9M85, F9M88, F9M89, F9M91, F9M92, F9M93, F9M95, F9M96, F9M97, F9M98, F9M99
	gamma-BHC (Lindane) F9M83, F9M86, F9M87, F9M95, F9M99
	delta-BHC F9M83, F9M84, F9M86, F9M89, F9M90, F9M91, F9M91MS, F9M95, F9M96
	Endrin aldehyde F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M91MS, F9M91MSD, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M99
	beta-BHC F9M82, F9M83, F9M84, F9M86, F9M88, F9M89, F9M90, F9M91, F9M91MS, F9M91MSD, F9M92
	alpha-Chlordane F9M86
	Endosulfan sulfate F9M85, F9M87, F9M93, F9M94, F9M95, F9M98, F9M99
	4,4'-DDE F9K00, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M91MS, F9M91MSD, F9M92, F9M93, F9M94, F9M96, F9M97, F9M98
	4,4'-DDD F9M84, F9M86, F9M90, F9M91, F9M91MS, F9M96, F9M97
	gamma-Chlordane F9M85, F9M86, F9M87, F9M93, F9M94, F9M95, F9M96, F9M97
	Heptachlor F9M88
	Methoxychlor F9K00, F9M82, F9M83, F9M85, F9M87, F9M90, F9M91, F9M91MS, F9M91MSD, F9M95, F9M96, F9M99
	Endrin ketone F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M91MS, F9M91MSD, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99
	Endrin F9K00, F9M83, F9M84, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M91MS, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99
	alpha-BHC F9M82, F9M83, F9M84, F9M86, F9M89, F9M90, F9M91, F9M91MSD, F9M93, F9M94, F9M95, F9M96, F9M98
	Heptachlor epoxide F9M92, F9M95

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Detection Limit

Detection Limit	Aroclor
ADL1	The following aroclor samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified J. Nondetected compounds are not qualified.
	ALCSS1
	Aroclor-1260 ALCSS1
	Aroclor-1016 ALCSS1

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Initial Calibration

Initial Calibration	VOA_Low_Med
VC15	The following volatile samples are associated with an initial calibration with relative response factors (RRFs) outside criteria. Detected compounds are qualified J. Nondetected compounds are qualified R F9K00, F9M82, F9M83, F9M83RE, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M92RE, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, VBLKS1, VBLKS2, VHBLKS1
	1,4-Dioxane VSTD005SS, VSTD010SS, VSTD050SS, VSTD100SS, VSTD200SS F9K00, F9M82, F9M83, F9M83RE, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M92RE, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, VBLKS1, VBLKS2, VHBLKS1
Initial Calibration	VOA_Low_Med
VC20	The following volatile samples are associated with an initial calibration in which a DMC did not meet relative response factor (RRF) criteria. Detected and nondetected compounds are not qualified. F9K00, F9M82, F9M83, F9M83RE, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M92RE, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, VBLKS1, VBLKS2, VHBLKS1
	1,4-Dioxane-d8 VSTD005SS, VSTD010SS, VSTD050SS, VSTD100SS, VSTD200SS F9K00, F9M82, F9M83, F9M83RE, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M92RE, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, VBLKS1, VBLKS2, VHBLKS1

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Internal Standard

Internal Standard	VOA_Low_Med
VIS31	The following volatile samples have internal standard area counts that are outside the lower limit of primary criteria. Detected compounds are qualified J. Nondetected compounds are qualified R.
	F9M83, F9M83RE, F9M92, F9M92RE
	1,4-Dichlorobenzene-d4 F9M83, F9M83RE, F9M92, F9M92RE
	1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromoform

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Matrix Spikes

Matrix Spikes	Pest
PMS1	The relative percent difference (RPD) between the following pesticide matrix spike and matrix spike duplicate recoveries is outside criteria. Detected compounds in parent sample are qualified J. Nondetected compounds in parent sample are not qualified.
	F9M91MS, F9M91MSD
	Endrin F9M91MS, F9M91MSD
Matrix Spikes	Pest
PMS5	The following pesticide matrix/matrix spike duplicate samples have percent recoveries that are greater than or equal to the lower expanded criteria limit but less than the lower primary criteria limit. Detected compounds in parent sample are qualified J. Nondetected compounds in parent sample are qualified UJ.
	F9M91MSD
	Endrin F9M91MSD

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TIC

TIC	VOA_Low_Med
VTIC1	A library search indicates a match at or above 85% for a TIC compound in the volatile sample. Detected compounds are qualified NJ. Nondetected compounds are not qualified.
	F9M92
	Dimethyl sulfide F9M92

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TIC

TIC	BNA
BTIC1	A library search indicates a match at or above 85% for a TIC compound in the semivolatile sample Detected compounds are qualified NJ. Nondetected compounds are not qualified. F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, SBLK31 9-Octadecenoic acid, methyl ester, (E)- F9M95 12-Octadecenoic acid, methyl ester F9M97, F9M98 13-Docosenamide, (Z)- F9M97, F9M98, F9M99 Cobalt, (1,5-cyclooctadiene)(.eta.-5-1-methylind F9M90 trans-13-Octadecenoic acid, methyl ester F9M87 Hexadecanamide F9M84, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, SBLK31 Octacosanol F9M91 Pentadecanoic acid, 14-methyl-, methyl ester F9K00, F9M82, F9M83, F9M85, F9M88, F9M92 Dodecanamide F9M82, F9M85, F9M86, F9M87, F9M91 Stigmast-4-en-3-one F9K00, F9M82, F9M83, F9M97, F9M98 Tetradecanamide F9K00, F9M82, F9M83, F9M85, F9M99, SBLK31 Stigmasterol F9M83 9-Octadecenoic acid (Z)-, methyl ester F9M92, F9M95, F9M96 9-Hexadecenoic acid, methyl ester, (Z)- F9M82, F9M83, F9M87, F9M91, F9M92, F9M95, F9M96, F9M97, F9M98 trans-13-Octadecenoic acid F9K00, F9M88 9,12-Octadecadienoic acid, methyl ester, (E,E)- F9M87, F9M95 11-Octadecenoic acid, methyl ester F9M91 Decanamide- F9M84, F9M88, F9M89, F9M90, F9M92, F9M93, F9M94, F9M95 .gamma.-Sitosterol F9M96 Furan, 2,5-dimethyl- SBLK31 .beta.-Sitosterol F9M82, F9M83, F9M97, F9M98 D:C-Friedo-B':A'-neogammacer-9(11)-ene, 3-methox F9M97 Pentafluoropropionic acid, pentadecyl ester F9K00 9-Octadecenamide, (Z)- F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, SBLK31 3-Buten-2-one, 3-methyl- F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M89, F9M90, F9M92, F9M93

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TIC

TIC	BNA
	Palmitoleic acid F9M82
	Tridecane, 1-iodo- F9M86, F9M93
	9,12,15-Octadecatrienoic acid, methyl ester, (Z, F9M94
	10-Octadecenoic acid, methyl ester F9M88
	11-Hexadecenoic acid, 15-methyl-, methyl ester F9M96
	n-Hexadecanoic acid F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98
	cis-Vaccenic acid F9M91
	Methyl 13-methyltetradecanoate F9M82, F9M91, F9M92, F9M96, F9M97, F9M98, F9M99
	8-Octadecenoic acid, methyl ester F9M96
	Squalene F9M82, F9M83, F9M85, F9M86, F9M87, F9M88
	Hexadecanoic acid, methyl ester F9M84, F9M86, F9M87, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99
TIC	BNA
BTIC2	A library search indicates a match below 85% for a TIC compound in the semivolatile sample. Detected compounds are qualified. Nondetected compounds are not qualified.
	F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, SBLK31
	Unknown Thiazole F9M83
	Unknown 2-Propanone, 1-hydroxy- F9K00, F9M88, F9M90, F9M92, F9M94, F9M95, F9M97, F9M98
	Unknown Tetradecanamide F9M90, SBLK31
	Unknown Furan, tetrahydro-2-(methoxymethyl)- F9M82, F9M84, F9M85
	Unknown Ethanamine, 2-(methylthio)- F9M92
	Unknown 5H-1,4-Dioxepin, 2,3-dihydro-5-methyl- F9M84
	Unknown 5-Iodopentan-2-one F9M93
	Unknown 2-Thiazolamine, 4-(4-methoxyphenyl)-N-(4-methylp F9M85
	Unknown 4H-Furo[3,2-g][1]benzopyran-4,7,9-trione F9M94
	Unknown 1,2-Benzenedicarboxylic acid F9M89, F9M91, F9M93
	Unknown C2H5C(CH3)2COCH3 F9M82
	Unknown Silane, diethyldecyloxyundecyloxy- F9M84
	Unknown 1H-Pyrrole-2,5-dione F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, F9M98, F9M99

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TIC

TIC	BNA
	Unknown 2-Pyrrolidinone F9M90
	Unknown Hexane, 2- <i>iodo</i> - F9M84
	Unknown 1-Pyrrolidinecarboxaldehyde F9K00, F9M86, F9M87
	Unknown Methacrylamide F9K00
	Unknown 2-Pentanone, 4-hydroxy-4-methyl- F9K00, F9M82, F9M83, F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M95, F9M96, F9M97, F9M98, F9M99, SBLK31
	Unknown Guanidine F9M93, F9M94
	Unknown 2,5-Octadiene, 3,4,5,6-tetramethyl- F9M99
	Unknown Naphthalene, 1,2,3,5,6,7,8,8a-octahydro-1,8a-dim F9M97
	Unknown 1,2-Ethanediol F9K00, F9M87, F9M88, F9M90, F9M98, F9M99
	Unknown 6,7-Dioxabicyclo[3.2.2]nonane F9M90, F9M92
	Unknown 2-Methylbutanoic anhydride F9M85
	Unknown 2(3H)-Furanone, 5-butylidihydro-4-methyl-, <i>cis</i> - F9M96
	Unknown Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl) F9K00, F9M88
	Unknown 7,7-Dimethyl-2,3-dioxobicyclo[2.2.1]heptane-1-ca F9M83, F9M91
	Unknown 3-Pentenoic acid, 4-methyl- F9M91
	Unknown 3-Hexene-2,5-dione F9M97
	Unknown Nonanamide F9M89
	Unknown 2-Tetradecanone F9M93
	Unknown Fumaric acid, nonyl tetrahydrofurfuryl ester F9M87
	Unknown Pentanoic acid, 2,2,4-trimethyl-3-carboxyisoprop F9M86
	Unknown 1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-dien F9M94
	Unknown Tridecanedial F9M95
	Unknown TATP F9M96, F9M99
	Unknown Butanal, 2,2-dimethyl- F9K00
	Unknown 2-Pentanone, 4-hydroxy- F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M90, F9M91, F9M92, F9M93, F9M94, F9M95, F9M96, F9M97, F9M98, F9M99, SBLK31
	Unknown 1,3-Dioxolane-2-methanol, 2,4-dimethyl- F9M92
	Unknown Propane, 1-(1-methylethoxy)- F9M90, F9M93

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TIC

TIC	BNA
	Unknown 1,4-Dimethyl-8-isopropylidenetricyclo[5.3.0.0(4, 9)oct-2-ene] F9M99
	Unknown 2-Butene, 1-methoxy-, (Z)- F9M83
	Unknown 1-Propanol, 3,3'-oxybis- F9M85
	Unknown 14-Octadecenoic acid, methyl ester F9M85
	Unknown Ethanol, 2-(2-methoxyethoxy)- F9M91
	Unknown Dodecanamide F9M84
	Unknown 2-Pentanone F9K00, F9M94
	Unknown 1-Octadecene F9M84
	Unknown 1,2,3-Propanetriol, 1-acetate F9M84, F9M85, F9M86, F9M87, F9M88, F9M89, F9M92, F9M93, F9M94
	Unknown 1-Octene, 4-methyl- F9M86
	Unknown Cyclohexanecarboxamide SBLK31
	Unknown 2-Nonanone F9M89, F9M91, F9M94, F9M95, F9M97, F9M98, SBLK31
	Unknown Sulfurous acid, isoheptyl hexyl ester F9M98
	Unknown 3-Buten-2-ol, 2-methyl- F9M86
	Unknown 5.beta.-Cholest-23-ene, (Z)- F9M93
	Unknown Hexane, 2-bromo- F9M83, F9M86, F9M88, F9M92, F9M96, F9M97, F9M99
	Unknown Pentane, 2-bromo-4-methyl- F9M82, F9M85, F9M89
	Unknown 3-Butyn-2-ol, 2-methyl- F9M87
	Unknown Undecanamide, 11-bromo- F9M86, F9M88, F9M90
	Unknown 2-Butanone F9M95
	Unknown 2H-Pyran-2-one, tetrahydro-6-propyl- F9M85, F9M88
	Unknown 4H-Imidazol-4-one, 2-amino-1,5-dihydro- F9M92, F9M93, F9M95, F9M97, F9M98
	Unknown Methyl glyoxal F9M89
	Unknown Hexadecanamide F9M85
	Unknown Phthalic anhydride F9K00, F9M82, F9M83, F9M84, F9M88, F9M89, F9M90, F9M93, F9M95, F9M96, F9M98, F9M99
	Unknown Ethanone, 1-oxiranyl- F9K00, F9M83, F9M90, F9M91, F9M96, F9M97, F9M98, F9M99
	Unknown 2-Chloro-5-hydroxy-2,4,6-cycloheptatrien-1-one SBLK31

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TIC

TIC	BNA
	Unknown 1,1,4a-Trimethyl-5,6-dimethylenedecahydronaphtha F9M93
	Unknown Ethanol, 2-(2-ethoxyethoxy)- F9M84, F9M93, F9M94
	Unknown 2(3H)-Furanone, 5-acetyl- F9M82, F9M87, F9M90, F9M91, F9M94
	Unknown cis-9,10-Epoxyoctadecanamide F9M99
	Unknown 2-Pentanone, 3-methyl- F9M90, F9M95, F9M96, F9M99
	Unknown 3-Penten-2-ol F9M86, F9M87, F9M92
	Unknown Hexane, 1,1'-oxybis- F9K00, F9M89
	Unknown Cyclohexane-1,2,3-trione-1,3-dioxime F9M85
	Unknown .beta.-Acetylacrylic acid F9M83
	Unknown 4-Pentenoic acid, methyl ester F9M86
	Unknown Oxazole, 2,4-dimethyl- SBLK31
	Unknown Heptanamide, 4-ethyl-5-methyl- F9M84, F9M95
	Unknown 2-Propanone, 1-chloro- F9M90